

## 28 Jun 99 INDUSTRY DAY QUESTIONS

- 1. Are waveforms for Step 2A the eight waveforms above-the-line and the waveforms for 2B the five waveforms below-the-line on page 19 of Col Badolato's Industry Day presentation?**

No. Potential Step 2A bidders must provide separate cost and schedule data for the eight waveforms above-the-line and may provide cost and schedule for the five waveforms below-the-line.

The waveform requirements for Step 2B will be refined after Step 2A is awarded.

- 2. Are prototypes to be loaned or "sold" to the Government?**

The Government will take title of Step 2A hardware. The hardware will include all operating system software and middleware as implemented in accordance with the Software Communication Architecture (SCA) and agreed to waveforms. Proposals should address the cost of all delivered software and waveform ownership and/or licensing arrangements.

- 3. Would an alternate proposal that encompassed 2A and options for 2B additional prototypes be accepted? If so, how would it be evaluated? And could it be awarded under this solicitation?**

The Step 2A solicitation allows for multiple prototypes to be delivered. The proposals will be evaluated from a best value viewpoint encompassing hardware, software, and waveforms. The intent of Step 2B is to demonstrate that organizations outside of the Step 2A consortium can produce SCA compliant products.

- 4. Your "optional waveforms" are all single-company proprietary. How will these be provided?**

These are optional waveforms; proposal requirements are contained in the Solicitation. The Government will not provide these waveforms to offerors in Step 2A. For post Step 2 activities, the answer to this question will depend upon the ownership and/or licensing agreements obtained during Step 2A.

- 5. Is the desire to develop Cost As an Independent Variable (CAIV) for the domain, or based on the actual design of the delivered prototype? Are CAIV targets for each proposed prototype required as part of the proposal?**

The CAIV will be based on the domain(s) prototype(s) awarded in Step 2A. Proposal requirements are contained in the Solicitation. CAIV will also be required for the domain(s) prototype(s) awarded in Step 2B.

- 6. "Crossbanding" was discussed during Industry Day. Please describe a concept of operations of how the military would use that with a 4-channel radio?**

"Crossbanding" refers to the ability to pass information between dissimilar systems. In a multi-channel radio, crossbanding will occur between any 2-channels operating between these systems. For example: If JTRS is operating with a SINCGARS on one channel and Have Quick on another channel, crossbanding will translate information between the two channels.

- 7. Is the contract for Step 2A effort capped at \$18M?**

The contract amount for the Step 2A effort is not capped at \$18M. The \$18M referenced is the planned Government cost share. The Government will negotiate a best value price based on the Offerors' proposals. The final amount may be more or less than \$18M.

- 8. Given the funding for steps 2A and 2B is essentially equal, and that Step 2A contains the tasks of: developing the architecture, planning and executing the validation efforts, and other "non prototype" tasks - one concludes that there is substantially more prototype development money in Step 2B than Step 2A. Given that 2A winners are disadvantaged for winning Step 2B, if a company's objective is to develop compliant prototypes, does the program structure provide disincentives for the prototype developers to no-bid 2A in favor of 2B?**

The Step 2 amounts discussed during Industry Day are notional. Funding for Step 2B is dependent upon the amount awarded in Step 2A. In addition, it is expected that Step 2B will result in multiple awards. Consequently, the funding for prototypes really is not "essentially equal".

- 9. Define the specific nature of the "preference for participants outside of Step 2A participants" for the Step 2B competition? Are Step 2A team members precluded or disadvantaged from competing in Step 2B?**

Step 2A team members are not precluded from competing in Step 2B. The intent of Step 2B is to validate the SCA with implementations by independent third parties for prototype(s) across multiple domains. Although not finalized, the Step 2B criteria will be based on best value and in concert with the Government desire for SCA validation.

**10. Is the desired 12-month period intended for Step 2A and 2B activity, or just 2A? Regarding Step 2B, what is the schedule (or an expected schedule range)? How soon will a 2B contract be available? Is there any other 2B detail.**

The period of performance discussed during Industry Day is intended to cover Steps 2A and 2B. The schedule will be refined based on Step 2A proposals and agreement. It is the Government's intent to award Step 2B agreement(s) in the first quarter of FY00.

**11. To what extent is service or agency certification expected or required for legacy waveform and interoperability? (e.g. will JITC perform DAMA certification? Will certification support by services be provided as GFE? Is waveform interoperability testing and certification expected as part of 12 months schedule for 2A?) Cosite was identified as one of the "golden nuggets" from Step 1. How will validation of cosite mitigation performance be achieved in the prototype testing?**

The primary purpose of the Step 2A prototype(s) is to validate the SCA. The Step 2A validation plan should address all activities, including assumed Government roles, required to validate the SCA and waveforms with respect to the JTRS ORD requirements. JITC certification within the notional 12 month Step 2A schedule is not required.

**12. How do you keep the procuring Services from changing system requirements that "break" the architecture?**

The Service requirements are contained in the JTRS ORD and there is a clearly defined process for changing any ORD. This review process for changing requirements should preclude the SCA from being broken. In addition given that the SCA must be scalable, extendable and evolveable; new requirements should not necessarily break the architecture.

**13. Step 2A bidders may bid all the waveforms to suppress competition, but there is not enough time or money to implement the waveforms. How will the Government evaluate proposals that leave nothing for Step 2B?**

The Step 2A proposal is structured such that cost and schedule for each waveform will be clearly identified. Items deemed unexecutable during the period of performance, will not be awarded. The Step 2A proposals will be evaluated from a best value viewpoint encompassing hardware, software, and waveforms. This evaluation will rate the proposed technical approach for validating the SCA. During this evaluation, the Government will assess the proposed approach to demonstrate that independent third party vendors can implement hardware and software based on the SCA. Cost and schedule realism will also be evaluated. The solicitation contains all the evaluation factors. Also see questions 1, 4, and 7.

**14. Will Step 2B waveforms be procured as independent waveforms such that small business can bid independently?**

The acquisition strategy for Step 2B has not been finalized. Since the intent of Step 2B is to validate the SCA with implementations by independent third parties, the Government currently intends that waveforms can be bid independently from the hardware prototypes. The Step 2B strategy will be refined when Step 2A is awarded.

**15. Can industry consortia add Government labs to the team for 2A? What exclusions, if any will this place on the Government lab?**

Since personnel from some Government labs/acquisition centers (SPAWAR, CECOM, ESC, NRL and AFRL) have been integral members of the JTRS Joint Program Office, the JPO views inclusion of these organizations on the consortiums to be inappropriate. This does not mean however that these organizations have no role in Step 2A. As part of the Step 2A proposals, overall Government participation during Step 2A must be addressed. These organizations will continue to be part of the Government team. Detailed proposal requirements are contained in the Solicitation.

**16. Will optional waveforms be required in the Step 2B effort? Can additional ORD waveforms be included?**

The Government at its discretion may add additional ORD waveforms in the Step 2B solicitation. The waveform requirements for Step 2B will be refined after Step 2A is awarded.

**17. Could you clarify the intellectual property issues surrounding the software implementations of waveforms?**

**Specifically, is it the case that even if the waveform is open, the software implementation can be proprietary? If so, can a software vendor simply supply object or binary code, and keep their source code protected?**

It depends. If the government provides full development cost for the waveform the government will retain a paid up license with unlimited use rights of the waveform and the waveform source code. If the development cost of the waveform is shared between the vendor and the government, the government will retain a paid up license with unlimited use rights of only the waveform. If the vendor provides all development cost for the waveform, the government will retain a royalty bearing license for the use of the waveform. In all cases the license will require the vendor to re-host the waveform to any SCA compliant product for an agreed upon price. Also, see question 4.

**18. How many simultaneous channels are to be validated under Step 2A?**

Detailed prototype requirements are outlined in the Solicitation.

**19. To what extent must 2A offerors describe and cost 2B support? Given that 2A contractors cannot predict planned or actual schedules for 2B contractors, is time and material pricing sufficient for bidding 2B support?**

**Are the costs for validating 2B offerors to be included in the 2A bid (18M)? If so, how can the number and type of 2B prototypes to be purchased by the Government be bounded? What is included in the "desired" 12-month schedule? (i.e. does it include validation of 2B prototypes?)**

Step 2A participants must provide a validation plan that addresses independent third party SCA conformance; however, Step 2A participants are not expected to pay for the Step 2B validation efforts. Pricing for the Step 2B support may be provided as time and material. The number of Step 2B prototypes and waveforms has not been determined. Also see questions 3 and 10.

**20. Does the 2B prototype need to host all the waveforms listed as requirements and optional? It was stated, "Step 2B prototype to host Step 2A required waveforms and vice versa". Please explain "vice versa" in this statement?**

Step 2B prototypes must host appropriate waveforms produced by the Step 2A consortium. The Step 2A prototypes must host appropriate waveforms developed by Step 2B participants. Detailed prototype requirements are outlined in the Solicitation.

**21. What is the intended use of the Architecture Definition Report Guidelines?**

The Guidelines identify areas of the Baseline ADR that need refinement and identify issues that should be considered while developing the SCA.

## **Questions Answered During Industry Day**

- 22. Ms Harris mentioned "options" when she briefed Prototype effort. Should/could the consortis list options if they drove total cost over planned \$18M for Step 2A?**

Yes, actual award will be based on best value. The Government may only award a subset of proposed prototypes. As answered in question 7, the \$18M referenced is the planned Government cost share. The contract amount for the Step 2A effort is not capped at \$18M, the final actual Step 2A agreement may be more or less than \$18M.

- 23. Are the Government IPTs going to be separate from the 2A contractors IPTs or will they be integrated?**

Government IPTs have dual roles. They will function in both a separate and an integrated role. Solicitation requires identification of proposed Government participation.

- 24. Should the architecture require SW Defined Radio forum endorsement?**

This is only one possible approach to attain Industry acceptance of SCA. Proposed approach to attain Industry acceptance is a Step 2A Evaluation Criteria.

- 25. Is the schedule for 2B known yet? Will 2B ask for particular waveforms?**

At the beginning of Step 2B solicitation waveforms and prototypes will be known, but not today. Specifics of Step 2B will be published at a later date. We plan to finalize Step 2B strategy shortly after Step 2A award.

- 26. Is each H/W prototype and each S/W waveform to be a different part of the proposal?**

Yes

- 27. With 2371 Section 845 Authority expiring in Sept 99. How will the Government make the Step 2B award? Is 845 Authority going to be extended?**

Other Transaction Authority was extended until Sept 2001 in the 1999 Authorization Act.

**28. Are the waveforms' software delivered during Step 2 available to anyone for usage?**

This depends on licensing agreements. The Government intends for the waveforms to be available for Government use.

**29. The Win-T architecture includes the employment of JTRS. Has consideration been given to the issue of networking JTRS with other legacy systems on the tactical battlefield to include NATO allies?**

Yes and issues associated with this are being addressed by the Government.

**30. Please discuss more of lessons learned relative to data rights from Step 1 agreements.**

We have attempted to alleviate the concerns we heard from the consortia in Step 1 that the IP articles created problems in the implementation area. For this reason, we have proposed to include separate IP articles for the Architecture Development and for the prototypes.

**31. When did INC and NTDR become ORD requirements?**

INC is part of SINCGARS ASIP and NTDR is an optional waveform and is not part of ORD.

**32. What is the envisioned composition of the CCB?**

The CCB is to be co-chaired by Government and the Step 2A consortium. Participants in Step 2B will also make up the CCB.

**33. Schedule shows 2B effort concluding at the same time as 2A. Is this the Government intent - to conclude 2A and 2B within 12 months?**

Yes

**34. After an initial review of the draft architecture definition report guidelines, there appear to be several significant technical errors.**

**What is the process for industry to comment on the technical content of the guidelines?**

Guideline comments may be submitted at any time to JPO. Comments may be submitted via the e-mail address on the web page.